

LISTING OF CLAIMS

Please cancel claim 5 and amend the remaining claims and add new claims as follows.

1. (Currently amended) A hardware cabinet comprising:
a chassis configured for mounting multiple heat-generating electronic systems; and
a door mounted to the chassis to allow access into the cabinet and having:
 - a solid face that extends from a top portion of the door along a majority of the door's length; and
 - an opening formed in a lower portion of the door to allow chilled air to enter the cabinet;

where the chassis is structured so that, when electronic systems are mounted in the cabinet, a plenum is formed between the door and the electronic systems, such that air entering the cabinet is able to rise between the door and the electronic systems; and

where the distance by which the plenum separates the solid face of the door from the electronic systems, when mounted in the cabinet, is maximized to promote air flow through the plenum while keeping the electronic systems within an acceptable range of access when a human user must enter the cabinet.
2. (Original) The cabinet of claim 1, where the door includes a screen placed over the opening.
3. (Original) The cabinet of claim 1, where the chassis includes an opening positioned to allow more chilled air to enter the cabinet.
4. (Original) The cabinet of claim 3, where the opening in the chassis is positioned near the opening in the door.
5. (Canceled)

6. (New) A hardware cabinet comprising:
a chassis configured for mounting multiple heat-generating electronic systems; and
a door mounted to the chassis to allow access into the cabinet and having:
 - a solid face that extends from a top portion of the door along a majority of the door's length; and
 - a first opening formed in a lower portion of the door to allow chilled air to enter the cabinet;

where the chassis is structured so that, when electronic systems are mounted in the cabinet, a plenum is formed between the door and the electronic systems, such that air entering the cabinet is able to rise between the door and the electronic systems; and

where the chassis includes a second opening positioned to allow more chilled air to enter the cabinet.
7. (New) The cabinet of claim 6, where the second opening is positioned directly below the plenum.
8. (New) The cabinet of claim 6, where the second opening is positioned near the door.
9. (New) The cabinet of claim 6, where the door includes a screen placed over the opening.